

LIMITED PLAY OPTICAL MEDIA
DEVICE WITH BARRIER LAYERS.

ABSTRACT

[00136] The present disclosure relates to a limited play optical storage media and a method for limiting access to data thereon. This storage media includes a first substrate; a reflective layer; a data storage layer disposed between said first substrate and said reflective layer; a reactive layer comprising at least one reactive material disposed on said at least one reflective layer; an optically transparent second substrate disposed between the reactive layer and a laser incident surface of the optical storage media; and an oxygen permeable barrier layer disposed between the reactive layer and a laser incident surface of the optical storage media, said reactive layer having an initial percent reflectivity of about 50% or greater and a percent reflectivity of about 45% or less after exposure to oxygen.